AlarmView

Wireless Intruder Alarm System with Visual Verification

Guardian

Wireless Intruder Alarm System

AVR

Visual Verification Add-on

Installation Guide

System version 2.09.XX

PIMA WIRELESS

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NOTICE AND DISCLAIMER

This guide will help installers and operators in the safe and efficient installation and use of the wireless systems described herein.

Before trying to install and use the systems, read this guide and become familiar with all safety requirements and operating procedures.

- The system must not be used for purposes other than those for which it was designed.
- The use of the software associated with the system is subject to the terms of the license provided as part of the purchase documents.
- PIMA Electronic Systems Ltd.'s exclusive warranty and liability is limited to the warranty and liability statement provided in this manual and the peripherals guide (P/N 4410399).
- This guide describes the maximum configuration of the systems with the maximum number of functions, including future options. Therefore, not all functions described in this guide may be available in a specific system.
- Warnings are given for situations and circumstances in which a possible hazard can arise.
- Cautions are given for situations or circumstances in which the system can possibly be damaged.
- Notes are given for situations that need special attention, or to improve the operating procedure.
- Wrong operation, or failure of the operator to effectively maintain the system, relieves the manufacturer (and seller) from all or any responsibility for consequent noncompliance, damage, or injury.
- The text and graphics contained in the guide are for the purpose of illustration and reference only. In no event shall manufacturer be liable for any special, direct, indirect, incidental, consequential, exemplary or punitive damages (including, without limitation, any and all damages from business interruption, loss of profits or revenue, cost of capital or loss of use of any property or capital or injury).

Graphic signs in this guide

Icon		Description
	Caution	Issues that may cause malfunctions
	Warning	Issues that may cause damage and actual bodily harm
	Note	Important note

1 Introduction

This guide will help you to install PIMA's Wireless Intruder Alarm Systems: the AlarmView, the Guardian and the AVR. The three systems are easy to install, plug-n-play, and provide wireless intruder alarm capabilities, with or without Visual-Verification and optional remote Look-in.

Suitable for residential and small business applications, they present a comprehensive solution for security and personal safety.

PIMA Wireless products also include a range of various peripherals.

The AlarmView's unique offering incorporates the SmartView PIR /Camera that combines movement detection and image capturing, the OutView Wireless camera and a wide range of regular detectors.

With the Visual Verification, on an alarm event, the cameras transmit both the alarm event and the images to the control panel, which sends them over GPRS/GSM to the Monitoring Station, and optionally to the user's mobile phone or email.

Note that all three alarm systems have two versions: Single SIM, and Dual SIM. Single SIM systems cannot utilize any of the features of the dual SIM systems.

1.1 Features

1.1.1 The AlarmView system

Figure 1. The AlarmView alarm system diagram

- Visual Verification images are sent to the system's contacts, by MMS and E-mail. See the AVR section on page 7 for details
- Remote Look-in images requests, by text messages from the mobile phones
- Remote Upload/Download initiation by the IP Receiver (without SMS)

- Wireless peripherals including movement/smoke detectors, panic buttons, wireless keypad, key fobs, door contacts, etc.
- "SmartView" detector and camera:
- "Matched field-of view" between the detector and the camera, with no dead spots
- Flash correction in lowlight
- High quality color images
- OutView outdoor camera
- Double and Backup reporting
- Optional dual SIM
- End-user notifications by SMS, MMS & E-mail
- Alarm reporting options:
- ContactID and SIA, via GPRS with SMS back-up
- Images via MMS and E-mail

MMS (Multimedia Messaging Service) requires Internet plan and costs money, including the text messages and emails sent via this service

- Remote end-user commands by text messages
- Built-in Quad Band GSM/GPRS modem, with SMS as backup
- Advanced wireless visual link:
- Two way supervised and secured radio network
- 128-bit encryption key
- Supervision report every 10 sec
- 2.4 GHz FHSS (Frequency Hopping Spread Spectrum) & Diversity receiver (2 antennas)
- Supervised 868 MHz link for standard wireless peripherals
- Three programmable trigger inputs
- PGM output
- Graphic, user-friendly menu-driven LCD display
- Easy battery replacement
- Smartphone applications for controlling the AlarmView

1.2 The Guardian system

The Guardian is a full featured wireless alarm system, designed to answer the needs of most residential and small office installations. Based on the AlarmView system, it lacks the Visual capabilities, including Visual Verification and look-in image options.

The Guardian peripherals are the same as those of the AlarmView, except visual detectors and cameras.

The Guardian alarm system cannot be upgraded to include the complete enhanced visual features of the AlarmView system.

Figure 2. The Guardian alarm system

1.3 The AVR Visual Add-on

Figure 3. The AVR Visual Add-on

The AVR allows adding Visual Verification capacities to any Intruder Alarm System. Based on the AlarmView control panel, it is designed for sending Visual Verification and look-in images by up to six SmartView PIR/Cameras and OutView cameras.

By using trigger inputs and a PGM output, the AVR can do the following:

- Be Armed and Disarmed
- Trigger the external Alarm System
- Serve as a GSM backup communication channel - when triggered by the external Alarm System (on alarm, for example), the AVR will report the CMS/End-user

The AVR features are:

- Six SmartView PIR/Cameras or OutView cameras
- Trigger inputs: two for Arming and Disarming, one for communication Backup of the external alarm system
- One PGM output. It can be used for cellular backup of the master system alarm reporting
- Optional dual SIM
- Two way communication with the SmartView and OutView
- Alarm & image notifications to contacts via MMS/SMS/E-mail
- Remote look-in images by contact requests (via SMS)
- Remote Upload/Download initiation by the IP Receiver (without SMS)

1.4 Technical specifications[1]

General	
Number of zones	Up to 30: 23 wireless, 1 hardwired, 6 visual
Wireless Peripherals	• Up to 6 key fob remotes, or keypads • Up to 6 Panic buttons • External siren
Arming modes	AWAY/HOME/PART
Alarm types	Silent, siren or sounder
Built-in siren	Piezoelectric, 85 dBA at 3 m
External siren	1 siren, wireless (indoor/outdoor)
Event log	256 events, non-volatile, with time and date stamp
Codes	8 codes, 4 to 8 digits each (numeric value 1-4): • Master user • 4 Regular users (or up to 4 digit code, numeric value 0-9, with external keypad) • Duress code • Limited 24H code • Installer code
Special functions	• Remote control by SMS from one (predefined) mobile phone, ensuring privacy and security. • Remote Look-in via MMS Local USB connection for setup and firmware upgrade
I/O	1 PGM output, 3 trigger inputs + trigger #1 can serve as zone #24
Real-time clock	Time and date stamp
Wireless	
Advanced wireless link for visual zones	
Frequency Band	2.4 GHz ISM band
TX Power	Up to 100 mW
Transmission method	• 2-way communication • GFSK • Frequency Hopping Spread Spectrum (FHSS)
Supervision	Up to 20 seconds
Secured wireless network	• 48-bit factory set ID code • Built-in security using a link key (prevents unauthorized access) • Data encryption (up to 48-bit)
Expected range[2]	Up to 100 m (outdoors)
Wireless link for standard peripherals	
Frequency	868.6375 MHz
Supervision	Randomly, every 20-50 m + on every transmission
Transmission method	FM, narrow band
Expected Range	Up to 100 m outdoor. Can be extended indoors using the RP-15 Repeater
Communication	
Modem	
Interface	Quad-band GSM/GPRS
Report destinations	CMS Receivers, mobile phones, Email accounts
Reporting formats	SMS/MMS/Email (by SMTP)/GPRS-IP

[1] The specifications of the detectors and accessories can be found in the peripherals guide (P/N 4410399)
[2] Range is impacted by building materials and interference

End user contacts	Reporting options/formats: • GSM/GPRS, SMS/MMS/Email (via mms) notifications • Four cellular phone numbers • Four email accounts
CMS contacts	Reporting options/formats: GSM/GPRS, SMS/MMS/Email (via mms) notices • Two IP address • Two phone numbers • Two Email accounts
Others	
Physical Characters	
Casing	Plastic - PC/ABC 94/V0
Environmental Data	
Operating temperature	-10ºC - +49ºC
Storage temperature	-25ºC - +70ºC
Humidity	85%, non-condensed
Electrical Data	
Power supply	+12VDC/1A
Current drain	100 mA standby, 0.7A peak
Backup battery	+4.8 VDC, 4 x Ni-MH 2 Ah
Weight: With battery Without battery	 687 gr 577 gr
Dimensions	225 x 138 x 40 mm

The control panel reports on Low Battery condition 9-12 hours after AC loss. 1-4 hours later it will turn off. Overall, the control panel can stay more than 12 hours in standby mode

We recommend using original AC adaptor and backup battery pack from PIMA Electronic Systems

2 Quick Reference Guide

2.1 System components

The alarm system consists of the control panel, and depending on the model, wireless zones (23), one hardwired zone, visual zones (6) and wireless peripherals (up to 36).

- The Control Panel: consists of the main circuitry, GPRS/GSM module, two wireless transceivers - standard and visual dedicated one.

Figure 4. The control panel

- Visual detectors:
- SmartView: high quality, supervised, rapid-acquisition camera, with PIR detector.
- OutView: high resistance outdoor camera, with trigger input from external sources, e.g., PIR detectors and magnets.
- Wireless detectors: the AlarmView system supports a wide range of wireless detectors, including door contacts, PIR and Pet-immune motion detectors, Smoke detectors, etc.
- Sirens: the control panel has a built-in siren. An external wireless siren (with a strobe) can also be installed.
- Keyfobs/keypads: accessories that are used to arm and disarm the AlarmView.
- Panic/Medical pendant and wrist watch: accessories that are used to send emergency and panic signals.

2.2 The Control Panel

The next figures show the control panel's buttons and parts. The three arming buttons are disabled in the AVR.

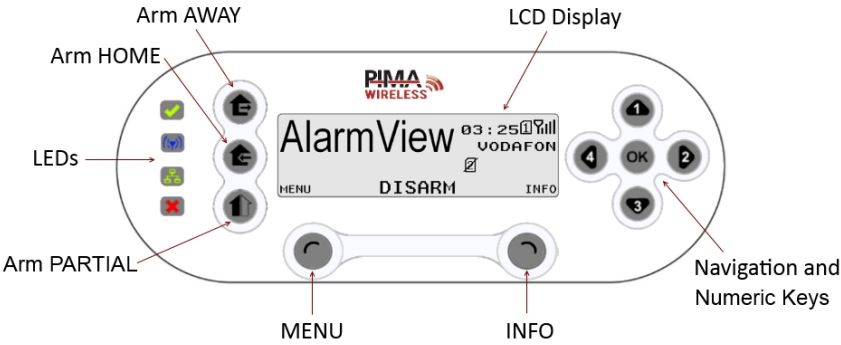


Figure 5. The control panel keys

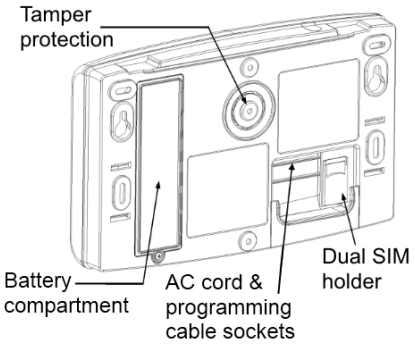


Figure 6. Control panel's back side

2.2.1 The buttons

The table below details the buttons of the control panel.

Button	Function	Press to...
	AWAY	Arm to AWAY (full) mode
	HOME	Arm to HOME mode
	PART	Arm to PARTIAL mode
	Left	Access the menus, Select and Insert
	Right	Display the system's Status, Cancel and Delete
OK	OK	Confirm, Enter
1	Up	Scroll, type the characters A-Z, 0-9, #+_!@- space
3	Down	
4	Left	Scroll, Exit, Back, and the numeral 4
2	Right	Scroll, Enter, Duplicate previous character, and numeral 2

2.2.2 The display

The LCD screen displays the status, the current time, and the cellular provider and reception. See the following diagram for details.

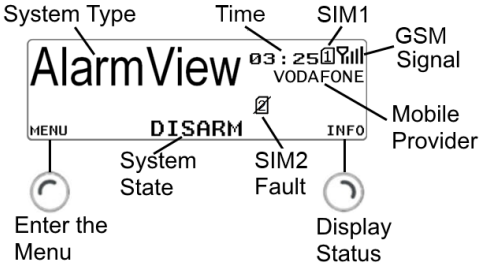


Figure 7. The LCD display and buttons

2.2.2.1 The icons

The available icons are:

	Transmission of SMS message		Low backup battery
	GSM reception level		Battery loss
	GSM network error		SIM1 active, fault
	AC loss		SIM2 fault[3]
	GPRS transmission		SIM1+2 fault[3]

2.2.3 Sound indications

The table below lists the sounds the Control Panel sounds.

Tones	Sound	Sounded when
♪	Single beep	A key is pressed
♪-♪	Two beeps	A menu timeout occurs – exit to main menu
♪-♪-♪	Three beeps	Successful command or operation
♪-♪-♪-♪...	Continuous beeps	Entry/Exit delay mode
♪--------♪	Long beep	Illegal command or entry refusal
🔔🔔🔔	Chime	Chime is activated

[3] Displayed only in dual SIM systems

2.2.4 LED indications

The table below shows the LED color indicators and their meaning.

LED	Color+ Behavior	Indication
	Green	Power on
	Blank	Power loss
	Blue, blinking	Wireless communication is active
	Green, blinking	Cellular connection - OK
	Off	No cellular connection
	Orange, 3 blinks	Message waiting to be processed
	Red	System trouble. See LCD display for further information
	White, blinking	Alarm triggered - all arming modes. Blinking will stop when re-arming, or entering the system log

2.2.5 The INFO screen

The INFO screen shows a grid of all active zones (up to #30, including visual zones, where available) in several status options. To display it, press the INFO button when the system is disarmed.

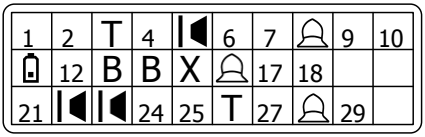


Figure 8. INFO screen example

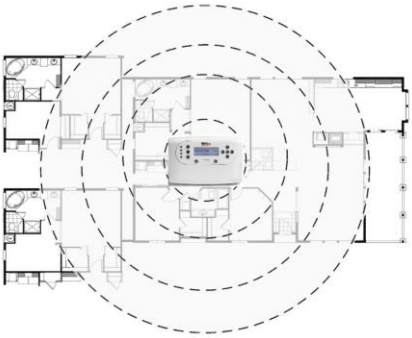
The next table explains the various zone indications. A zone with more than one status toggles between them, at one second interval.

Status	Description	Zones in the above example
Empty cell	Undefined zone	19, 20, 30
1-30	Defined zone, Normal mode	1, 2, 4, 6, 7, 9, 10, 12, 17, 18, 21, 24, 25, 27, 29
	Open zone	5, 22, 23
T	Zone tamper open	3, 26
B	Bypassed zone	13, 14
	Low battery	11
X	Supervision loss	15
	Alarm	8, 16, 28

3 System Installation

3.1 General guidelines

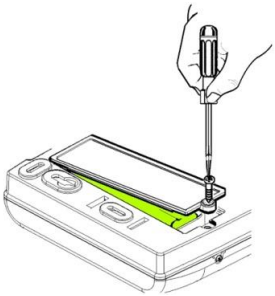
- The control panel should be installed at a location with optimum wireless reception from the detectors and peripherals.
- A convenient location for mains electricity supply and for user operation, near the main access point is preferable.
- For control panels which are operated using remote keypads, the panel can be concealed inside a cupboard or loft space in a convenient location for mains electricity supply.



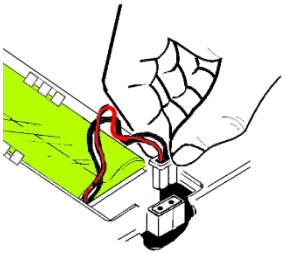
3.2 Quick installation

For quick installation, you can mount the control panel on any flat surface. To do that, do the following:

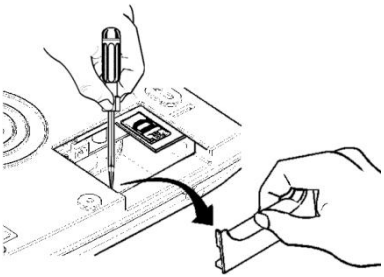
1. On the back side, release the crosshead ("Philips") screw of the battery compartment and remove the cover. The battery lies in the compartment, not connected



2. Connect the battery wires to the socket



3. Close the compartment and fasten the screw
4. Remove the plastic protector of the connectors cavity, by applying pressure with a flathead screwdriver

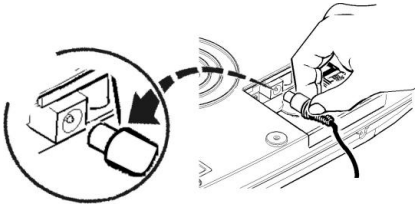


5. Insert the SIM card(s) to the SIM holder:
   a. In **single SIM** versions, insert the SIM card into the **upper slot** (labeled "SIM-1 Main")
   b. In **dual SIM** versions, first insert the backup SIM into the **lower slot** (labeled "SIM-2 Backup"), and then insert the main SIM into the **upper slot** (labeled "SIM-1 Main**"**). See the next figure

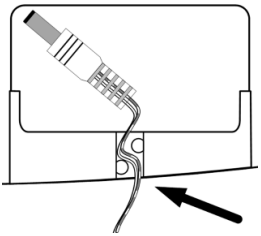
- ***Do not use PIN Code SIM cards***
- ***Do not insert SIM cards under power (AC or DC)***

6. Plug the AC adapter into its socket, to the left of the SIM card holder

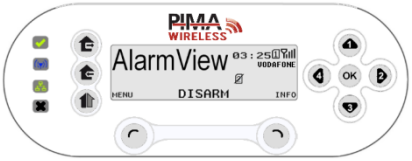
Do not connect the AC adapter to power before connecting it to the control panel



7. Attach the plastic protector back in place and pass the AC wires through the wires path

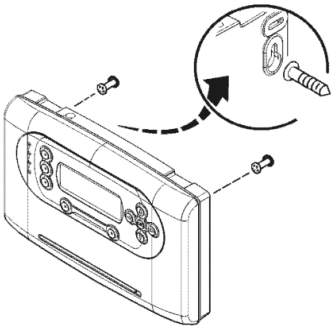


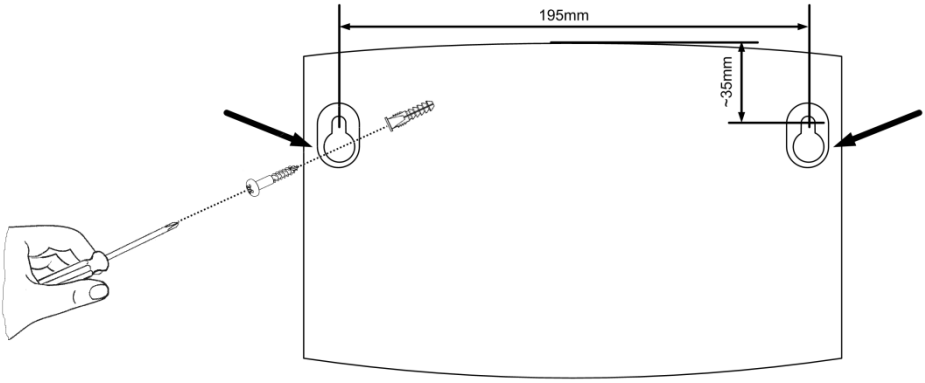
8. Connect the AC adapter to power. Wait for the Power LED to light up and the LCD screen to show the normal display



9. Ensure good reception of the wireless and GSM communications (see section 7.1.1.2, on page 28)

10. Secure the control panel to the designated surface: drill two holes, corresponding to the two keyhole hangers on the back plate (see the image below), and fasten the supplied screws, leaving a small space between the screw head and the surface
11. Hang the control panel

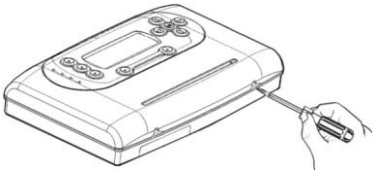




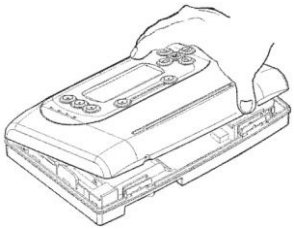
3.3 Professional mounting

If the control panel needs to be secured with the tamper protection, do the following steps:

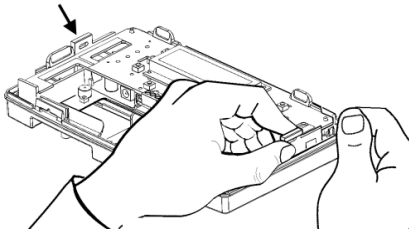
1. Open the cover: insert a small slotted screwdriver into the two slots at the bottom of the control panel and apply pressure upwards

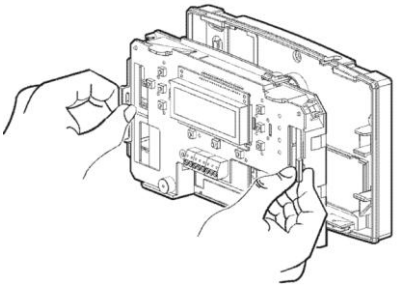


2. Lift and remove the front cover



3. Pull out the plastic cradle of the circuit board, by pulling its two clips on both sides, and turn it over





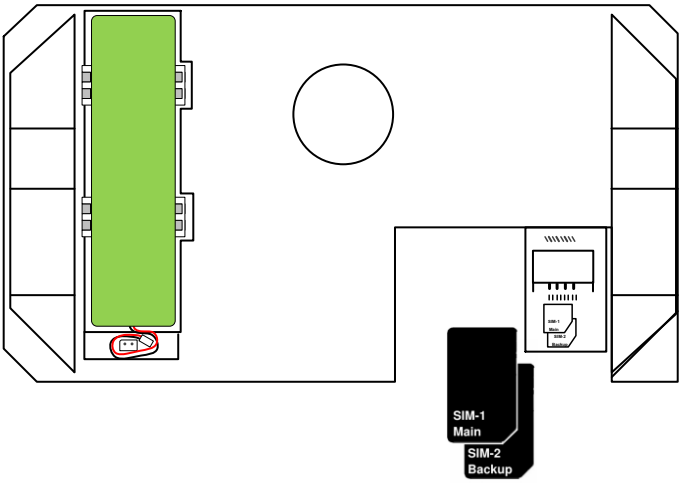
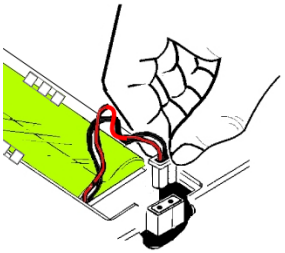


Figure 9. The back of the circuit's cradle

4. Connect the battery wires to the socket



5. Insert the SIM card(s) to the SIM holder:
   a. In **single SIM** versions, insert the SIM card into the **upper slot** (labeled "SIM-1 Main")
   b. In **dual SIM** versions, first insert the backup SIM into the **lower slot** (labeled "SIM-2 Backup"), and then insert the main SIM into the **upper slot** (labeled "SIM-1 Main**"**). See the previous figure

- ***Do not use PIN Code SIM cards***
- ***Do not insert SIM cards under power (AC or DC)***

6. On the designated surface, drill holes, corresponding to those marked with arrows on the next figure and insert drywall plugs into them. Note, that the hole in the middle is designated for the tamper switch's knockout[4]

The tamper switch knockout must be secured with a dedicated screw, to comply with EN50131-1 regulation

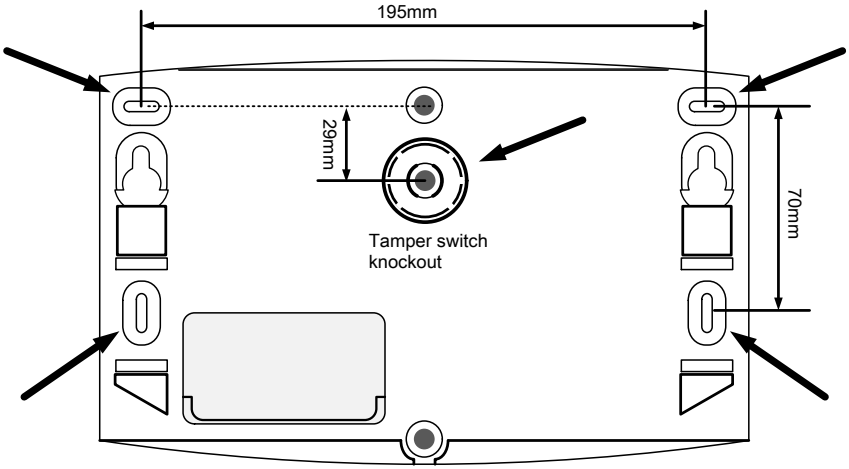
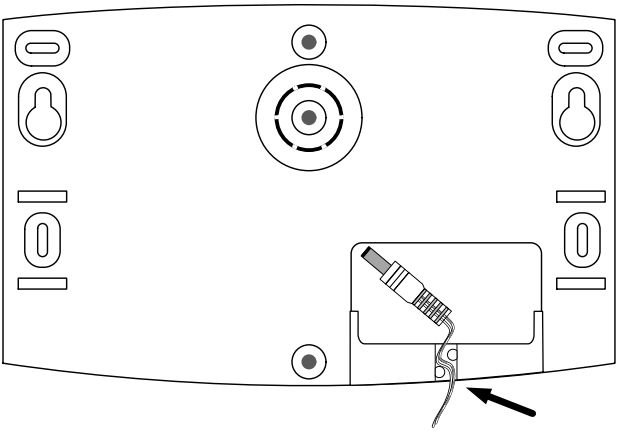


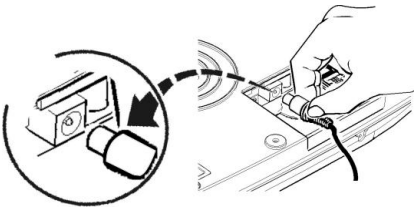
Figure 10. Wall mounting diagram

7. Route the AC adapter's plug and wires through the wires path. See the next figure.
8. Secure the back plate to the surface with screws.

[4] When the control panel is forcibly removed from the wall, the knockout breaks and the tamper is activated

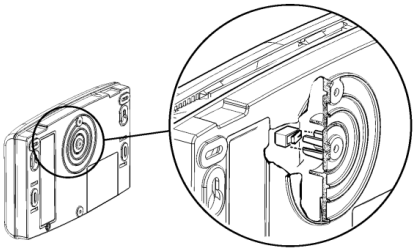


9. Plug the AC adapter into its socket, to the left of the SIM card holder

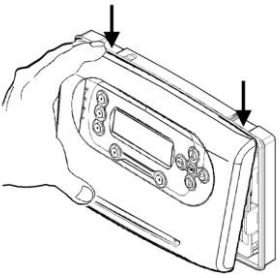


Do not connect the AC adapter to power before connecting it to the control panel

10. With the LCD screen facing you, insert the cradle into the mounted back plate - push it firmly, until the clasps are locked. Ensure the back tamper is pressed against the knockout



11. Tilt the front cover towards top of the mounted back plate
12. Insert the two jags on the front cover to the corresponding holes on the back plate, and push it down, until you hear an audible press
13. Press the front cover against the back plate, until locked
14. Secure the front cover with the two supplied Philips screws, at the bottom



15. Connect the AC adapter to power. Wait for the Power LED to light up and the screen to show the normal display

3.4 Other installation options

3.4.1 Standalone wired siren

Besides the control panel's built-in siren, you can also connect any self-powered external siren. To do so, you will need to connect it to an external power source.

The wired siren's current consumption should not exceed 500 mA

To connect the siren:

1. Run the siren's wires through the opening on the control panel's back plate
2. Connect between the siren and the control panel's PGM terminals. See the scheme on the right
3. Connect between the siren, the control panel and the external power source (-)
4. Connect between the siren and the external power source (+)

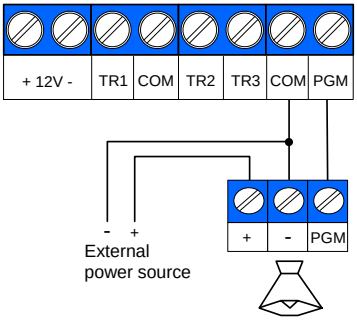


Figure 11. External siren wiring scheme

3.4.2 How to use the trigger inputs[5]

The alarm system has three inputs listed in the next table, which can be used to arm and disarm it by triggers from external alarm systems. See the next sub-section on the AVR.

Input	Optional Use
TR1	arming to AWAY mode
TR2	arming to HOME mode
TR3	arming to PART mode

When using the triggers for arming and disarming, the control panel's quick arming buttons are disabled

Connect the triggers according to the next diagram.

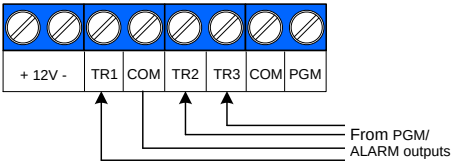


Figure 12. Trigger inputs

[5] See section 10.5.4, on page 43 for the triggers' settings

3.4.3 The AVR

The AVR adds Visual Verification capacities to any Intruder Alarm System. Based on the AlarmView control panel, it is designed for sending Visual Verification and look-in images by up to six SmartView PIR/Cameras and OutView cameras.

The AVR is defined as "Slave" when connected to an external alarm system ("Master").

By using trigger inputs and a PGM output, the AVR can do the following:

- Be Armed and Disarmed
- Trigger the external Alarm System
- Serve as a GSM backup communication channel - when triggered by the external Alarm System (on alarm, for example), the AVR will report the CMS/End-user

By default, the AVR will use the triggers as follows:

Trigger	Default setting	Connect the input to…
#1	Wired/External zone	External alarm system's Alarm output. The input will serve as a backup communication channel - when the Alarm output will be triggered (on alarm, for example), the AVR will report the CMS/ end-user. Make sure zone #24 (the wired zone) is set as 24H zone[6]
#2	AWAY arm	External alarm system's On/Off output. The input will be used for arming AWAY the AVR (and disarming it) by the external alarm system
#3	Not used	-

3.4.3.1 How to connect the triggers to the external alarm system

Use the following diagram and table to connect the trigger inputs of the AVR.

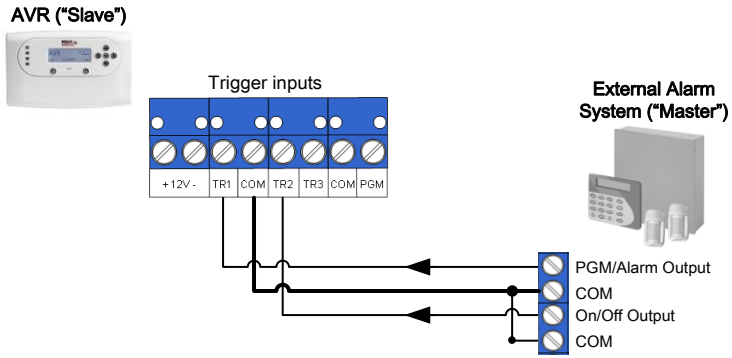


Figure 13. The AVR trigger inputs

AVR	Alarm system
TR1	PGM/Alarm Output
TR2	On/Off Output

[6] "Swinger Shutdown" must be disabled

3.4.3.2 How to connect the PGM output to the external alarm system

By default, the PGM output is used by the AVR to report on "Not Ready/Alarm" (open zone, faults, and alarms) situations. It is set as Normally Closed. See section 10.5.3, on page 43 for details on the PGM output options.

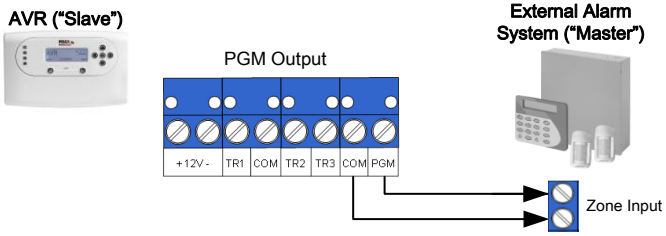
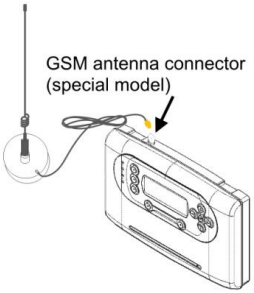


Figure 14. The AVR PGM output

3.4.4 External antenna

The control panel has a model with a connector for external GSM antenna (P/N 6110019), to improve GSM reception where necessary

This control panel model must be ordered separately!



3.5 How to confirm system installation

To make sure all detectors are well identified by the control panel after installation, do the following:

1. Access the Installer menu and select **Service -> Tests -> Zone Tests**
2. Press the **Test button** on each detector and check the reception level. See section 7.1.1.2, on page 28 for details

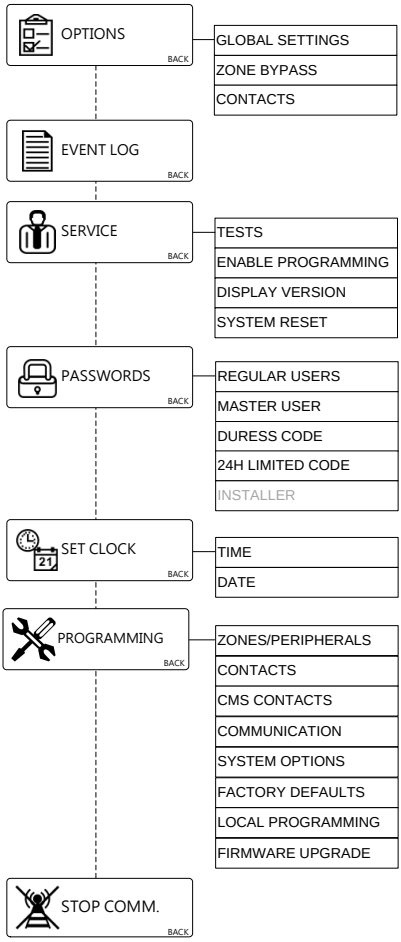
4 Setup and Programming

The alarm system has two menus and two related passwords: Installer and Master User. The two menus have the same sub-menus, except the Programming menu which is exclusive to the Installer.

Programming can also be done remotely, using PIMA's Programming Tool software[7].

Some menus are feature depended and vary between models

4.1 The Installer's menu map

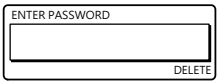


[7] Version 02.00.11.00 and higher

4.2 Accessing the menus

To access either of the menus:

1. Press the left key (under "MENU") - a password entry field will appear



2. Use the numeric/navigation keys to enter a password. See section 2.2.1, on page 11, on how to enter characters

4.3 The Master and Installer passwords

The next table lists the Master user and Installer passwords and their use.

Password	Default	The password allows...
Master user	1111	Changing all passwords except the Installer's, viewing the event log, setting the time, and changing some system settings
Installer	1234	Changing the Installer password, changing all settings the control panel and all detectors and peripherals

You must change the default passwords during the installation of the system

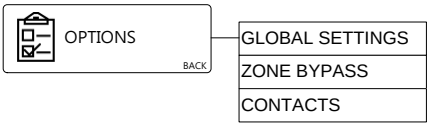
4.3.1 How to reset the passwords to factory defaults

To reset the passwords to their factory default:

1. Disconnect the control panel from both AC power and backup battery for 10 sec.
2. When you power up the control panel again, the Master User and Installer's default passwords (1111, 1234 respectively) can be used for 30 sec. to access the menus

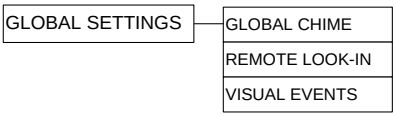
5 Options menu

This menu allows changing and controlling the general behavior of the Control Panel as well as setting notifications for the contacts.



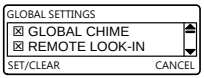
5.1 Global Settings

The Global Settings menu allows setting of three features, as explained below. The remote look-in and visual events features allows the end user to maximize the control of all privacy issues.



To change the **Global Settings**:

1. Access the Installer menu and select **Options → Global Settings**
2. **Set/Clear** (enable/disable) the options, which are:
   a. **Global Chime**: all chime zones
   b. **Remote Look-in**: sending requested look-in images to predefined mobile phones
   c. **Visual Events**: sending visual verification images to predefined mobile phones



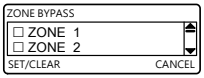
5.2 Zone bypass

This menu allows bypassing zones until the next disarming of the alarm system

Do not bypass zones unless necessary and only temporarily: bypassed zones do not sound the alarm when opened, nor are reported to the CMS

To bypass zones temporarily, do the following:

1. Access the Installer menu and select **Options → Zone Bypass**
2. **Set** (enable) the zones to be bypassed. Press the Up/Down keys to scroll between the zones
3. **Clear** (disable) zones to un-bypass them

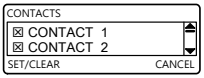


5.3 Contacts

This menu allows setting which of the six available contacts will get notifications on alarms and other system events. The events are set in the "Contact 1-6" menu. See section 10.2.2, on page 37.

To set a contact to receive notifications, do the following:

1. Access the Installer menu and select **Options → Contacts**
2. Press **Set** to enable a contact, press **Clear** to disable a contact



6 Event Log menu

This menu allows you to view the system log. The log keeps the last 256 events. While the alarm system is armed, it can log up to 10 events from the same zone.

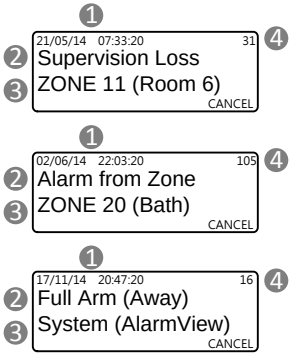
Using the "Programming Tool" application, 500 events can be logged and viewed.

To view the Event Log:

1. Access the Installer menu and select **Event Log**. The first event is the most recent one

2. Use the Up/Down keys to scroll between the events. See the next section for details.
3. Press to exit the log

6.1 Log entry examples

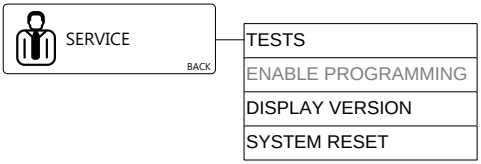


The information of a log entry is displayed as follows:

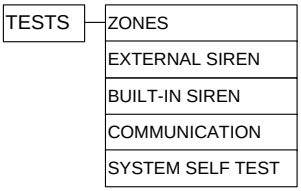
1. Date and time the event was logged
2. Event description
3. Event source
4. Log entry serial number

7 Service menu

The Service menu allows you to perform various tests to verify the installation and the proper operation of the system. The "Enable Programming" menu is a Master user only menu - it enables the user to allow a two hour remote access to the alarm system. If the default Access Code has not been changed, this option overrides the "Always" access mode. See section 0, on page 44



7.1 Tests



The tests menu allows testing the zones and peripherals of the alarm system and some more options.

Testing the system periodically will ensure the system owner that the system works properly.

7.1.1 Zones

To test the zones:

1. Access the Installer menu and select **Service → Tests → Zones**
2. The zone test screen is made of a grid that shows all active zones: zones 1-24 are displayed with their number, zones 25-30 are displayed with their RSSI[8] level. See the next two sub-sections for full details.

3. Trigger zones 1-24 - when a signal is received in the control panel, the zone number is replaced by the RSSI reception level.
4. Once the test is complete, press OK to exit.

7.1.1.1 Zone status options

There are three status options in the zone test display (see the next figure):

a. Number: this is the zone number. It appears in regular zones before testing, and in visual zones that are at fault
b. Signal strength indicators:
   1) Zones 1-24: the indicators appear as the zone is triggered
   2) Zones 25-30 (visual zones): the indicators interchange with the zone no.
c. Empty: the zone is disabled

[8] Received Signal strength Indication.

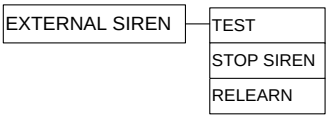
7.1.1.2 RSSI reception level

The signal strength indicators allow you to determine how good the communication, between the wireless devices and the control panel is. The number of the indicators is the quality of the reception, as explained in the table below. See also the previous figure

Onscreen	Indicators	Reception/Indication
	5	**Excellent**
	4	**Strong**
	3	**Good**
	2	**Low**: see the warning below!
	1	**Poor**: see the warning below!
Numeral	-	1. Zones 1-24: the zone was not triggered 2. Zones 25-30: the (visual) zone is at fault

"Poor" and "Low" reception levels are not acceptable. If you get a "poor" signal from any detector, re-locate it and re-test it, until the test result is between "Excellent" and "Good"

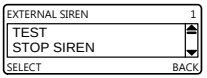
7.1.2 External Siren



See also External Siren Indications, on page 53

7.1.2.1 Test

To test the external siren, do the following:



1. Access the Installer menu and select **Service → Tests → External Siren**
2. Press **Test**
3. Wait 5 sec. The siren will sound the alarm for 3 sec. and its LEDs will flash for few sec.
4. Press OK to exit

7.1.2.2 Stop siren

If the siren's tamper switch is tripped continuously, you can use this feature to stop (silent) the siren.

7.1.2.3 Relearn

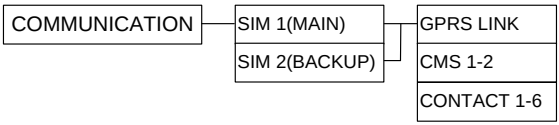
If the siren needs to be re-learned with the control panel, call PIMA support for instructions

7.1.3 Built-in siren

To test the built-in siren, do the following:

1. Access the Installer menu and select **Service → Tests → Built-In Siren**
2. Press OK - the built-in siren will sound briefly

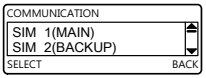
7.1.4 Communication



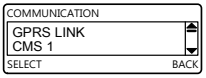
This menu allows testing the SIM card's communication setup, by trying to send and receive data. See the next table for complete details.

To test the SIM cards:

1. Access the Installer menu and select **Service → Tests → Communication**



2. Select **SIM1** or **SIM2** (in dual SIM versions). If the selected SIM is currently idle, the alarm system will switch to it



3. Select the test type and press OK
4. Press OK at the end of the tests

7.1.4.1 Test types

The test types are described in the below table. All tests are replied by either "Passed" or "Failed" message

Test	Process
GPRS Link	Ping a website (www.google.com)
CMS 1-2	Send a test event to the CMS: a. In SIA/CID over SMS: to mobile phone b. In Visual/CID over Email: to E-mail c. In Visual/CID over GPRS: to PC, mobile phone
Contact 1-6	Send "Periodic Test" by text message: a. SMS Test: to mobile phone ("SMS Event Report" must be enabled. See page 37) b. Email Test: to E-mail ("Email Event" must be enabled. See page 37)

7.1.5 System self-test

The self-test checks the LCD display, the LEDs and the chime

To do the test:

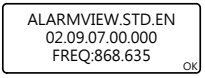
1. Access the Installer menu and select **Service → Tests → System Self Test**
2. The LCD display will flicker for eight sec. and the internal sounder will sound a series of beeps

7.2 Display version

Use this feature to view the system's version and RF frequency

To view the system version and frequency:

1. Access the Installer menu and select **Service → Display Version**
   The system's software version and RF frequency will be displayed



2. Press OK to exit

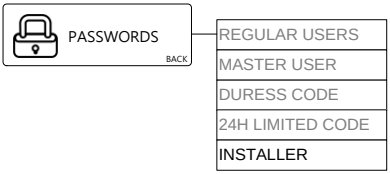
7.3 System reset

The system reset feature enables to reset the communication channels.

To do a system reset:

1. Access the Installer menu and select **Service → System Reset**
2. Wait for the short process to end. While resetting, the message UPDATING is displayed

8 Passwords Menu



The password menu allows you setting the Installer password. The other passwords on the menu can be set only by the Master User, in the User menu.

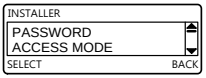
8.1 Installer

The Installer password can be 4-8 digits long and contain the numeric values of 1-4, for example 14412311. It cannot be deleted.

You must change the default Installer password during installation

To set the Installer password:

1. Access the Installer menu and select **Passwords → Installer**
2. Select **Password** and type the desired password



3. Press OK

- *You cannot use the Installer password over the wireless keypad, only the control panel*
- *A minimum of 7 digit password is required to comply with EN requirements*

8.1.1 Access mode

There are two options for allowing the installer to access the alarm system remotely, via the Programming Tool application: User Initiated and Always, explained below.

The AlarmView keeps a record of any remote connection and reports it to the CMS.

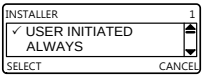
a. **User Initiated**: in this mode the Installer cannot access the menu, unless the Master user permits it by opening a two hour access window (on the User menu: **Service → Enable Programming**)

b. **Always**: in this mode the Installer can access the system without the need for the Master user approval

You must change the default Access Code, to be able to connect to the alarm system remotely in the "Always" mode: as a precaution, if the default code has not been changed, remote access without the Master user approval is disabled

To define the Installer's access mode, do the following:

1. Access the Installer menu and select **Passwords → Installer → Access Mode**
2. Select **User Initiated** or **Always**



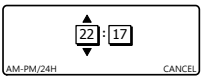
9 Set Clock menu

After a long power failure, or whenever the time is not accurate, the time and date need to be set

9.1 Time

To set the Time, do the following:

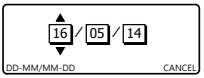
1. Access the Installer menu and select **Set Clock → Time**
2. Press ↶ to change between 12H (AM/PM) and 24H time formats
3. Press the up and down arrow keys 1 3 to set the hour and minute
4. Press the right and left arrow keys 4 2 to move the cursor between the hours and the minutes
5. Press OK to save



9.2 Date

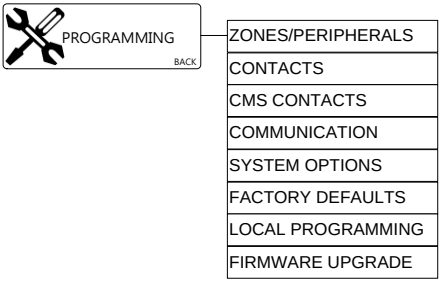
To set the Date, do the following:

1. Access the Installer menu and select **Set Clock → Date**
2. Press ↶ to set the date format to either American (MM/DD) or European (DD/MM)
3. Press the up and down arrow keys 1 3 to set the date
4. Press the right and left arrow keys 4 2 to move the cursor between the day, month and year
5. Press OK to save



10 Programming menu

The programming menu allows you to program the various functions of the alarm system.

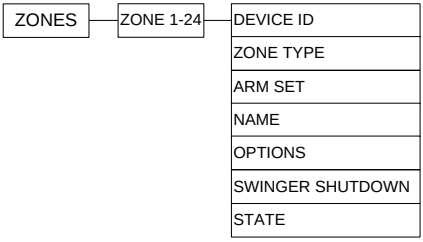


10.1 Zones/Peripherals

Enroll and define the wireless detectors and peripherals of the alarm system. Before enrolling, make sure all peripherals have the appropriate batteries.

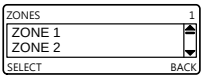
All three systems, the AlarmView, Guardian and AVR support up to 23 wireless zones and one hardwired. The AlarmView and AVR also support up to six Visual zones.

10.1.1 Zones

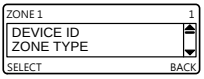


To enroll and define a wireless zone:

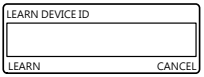
1. Access the Installer menu and select **Programming → Zones/ Peripherals → Zones**



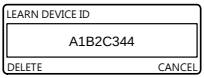
2. Select **Zone 1-24**[9]



3. Select **Device ID** and press **Learn** to enroll a detector or a peripheral. If a number is displayed, the zone already has a device associated with. You can press "Delete", and enroll a new device

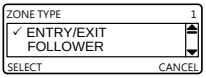


4. Trigger a device or press its Test button. When the device is detected, press OK

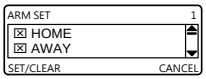


[9] Zone #1 is set as Entry/Exit zone by default

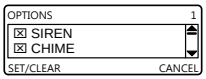
Select **Zone Type** and select the type. The available types are: **Normal**, **Entry/Exit**, **Follower**, **24H**, **Panic**, **Medical**, and **Fire**. See the "Glossary of terms", on page 55 for more on each type



5. Glossary of terms
6. Select **Arm set** and set to which arming mode the zone will be armed. The available modes are: **Home**, **Away**, and **Part**. Multiple selection is allowed

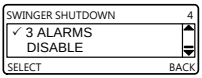


7. Select **Name** and give the zone a name. See section 2.2.1, on page 11 for details
8. Select **Options** and set the zone options. Multiple selection is allowed. The available options are as follows:



   - **Siren**: when the zone is violated, it will trigger the siren
   - **Chime**: when the zone is opened while the control panel is disarmed, it will trigger the control panel's chime. This is normally used on doors and windows
   - **Force Arm**: this zone can be armed when the "Force Arm" option is enabled. See section 10.5.2, on page 42 and the "Glossary of terms", on page 54 for more details

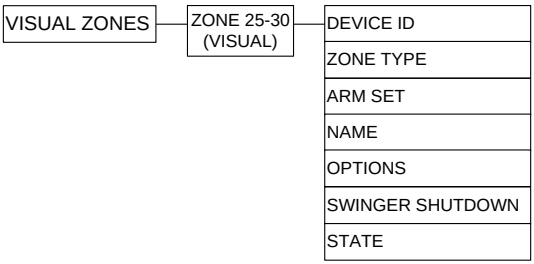
9. Select **Swinger Shutdown** (see the "Glossary of terms", on page 54) and select between the available options: 1, 2 or 3 alarms, or Disable



10. Select **State** and set if the zone is **Enabled** or **Disabled**.

Zone #24 is a dedicated hardwired zone. As such, it does not have the "Device ID" option. To use this zone Trigger #1 must be set as "Wired/EXT zone". See section 10.5.4, on page 43

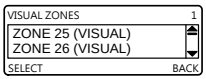
10.1.2 Visual zones (AlarmView and AVR only)



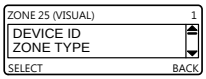
The alarm system supports up to six visual zones, namely SmartView PIR/cameras.

To enroll and define a visual zone:

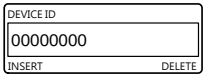
1. Access the Installer menu and select **Programming → Zones/ Peripherals → Visual Zones**



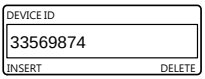
2. Select **Zone 25-30 (Visual)**



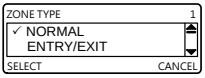
3. Select **Device ID** and type the detector's serial number (8 digits). If a number is displayed, the zone already has a device associated with. You can press "Delete", and enroll a new device



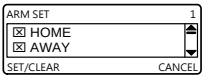
Visual detectors cannot be enrolled automatically, to protect privacy and security



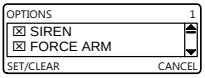
4. Select **Zone Type** and mark the type. See the previous "Zone" section for the available options



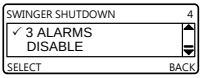
5. Select **Arm set** and set the arming mode in which the zone be armed. See the previous "Zone" section for the available options



6. Select **Name** and give the zone a name. See section 2.2.1, on page 11 for details
7. Select **Options** and set the zone options. Multiple selection is allowed. The available options are as follows:

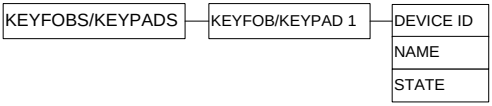


   - **Siren**: when the zone is violated, it will trigger the siren
   - **Force Arm**: this zone can be armed when the "Force Arm" option is enabled. See section 10.5.2, on page 42 and the "Glossary of terms", on page 54 for more details
   - **Visual Verif.**: send visual verification images to predefined contacts
   - **Remote Look-in**: allow predefined contacts to request look-in images by SMS
   - **Led Indication:** SmartView LED ON when alarmed
8. Select **Swinger Shutdown** (see the "Glossary of terms", on page 54) and select between the available options: 1, 2 or 3 alarms, or Disable



9. Select **State** and select if the zone is **Enabled** or **Disabled**

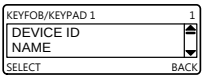
10.1.3 Keyfobs/keypads



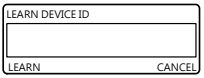
The alarm system supports the connection of up to six KF key fobs and RWK wireless keypads. See a separate Peripherals guide (P/N 4410399) for details on these devices.

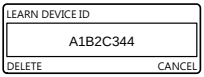
To enroll and define a key fob or a wireless keypad, do the following:

1. Access the Installer menu and select **Programming → Zones/ Peripherals → Key fobs/ Keypads → Key fob/Keypad X**



2. Select **Device ID** and press **Learn** to enroll the peripheral[10] If a number is displayed[11], the zone already has a device associated with. You can press "Delete", and enroll a new device

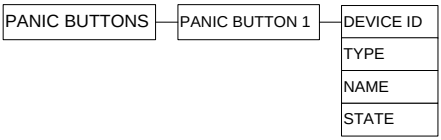




3. Press OK to save the ID
4. Select **Name** and type a description for the keyfob/keypad
5. Select **State** and select **Enabled** or **Disabled**

[10] Or type it: the ID is printed on a label on the keyfobs and keypad
[11] Only the first seven digits are displayed (the eighth is always zero). The serial no. is printed on a label on the detector

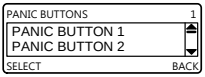
10.1.4 Panic button



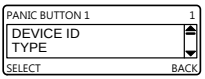
The alarm system supports the connection of up to six PCP buttons for Panic and Medical issues. See a separate Peripherals guide (P/N 4410399) for details on these devices.

To enroll and define a Panic/Medical button:

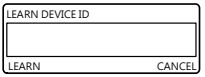
1. Access the Installer menu and select **Programming → Zones/Peripherals → Panic Buttons**



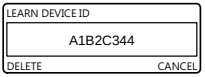
2. Select **Panic Button X**



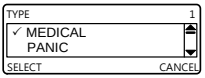
3. Select **Device ID** and press **Learn**



4. Press the panic button to enroll it[12]. If a number is displayed[11], the zone already has a button associated with. You can press "Delete", and enroll a new one.
   See a separate peripherals guide (P/N 4410399) for more details on the panic button

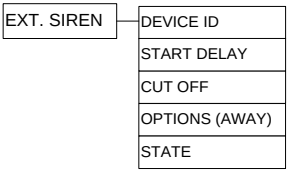


5. Select **Type** and select the button type: **Medical** or **Panic**. The type selected only determines the event reported



6. Select **Name** and type a name/description for the panic button (see section 2.2.1, on page 11 for instructions)
7. Select **State** and select if the button is **Enabled** or **Disabled**

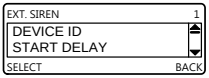
10.1.5 External siren



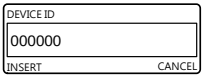
See a separate Peripherals guide (P/N 4410399) for complete details on the SIR External Wireless Siren.

To enroll and define the siren:

1. Access the Installer menu and select **Programming → Zones/ Peripherals → Ext. Siren**

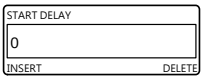


2. Select **Device ID**
3. Enter the siren's serial number and press **Insert** (see section 2.2.1, on page 11 for instructions). The number is printed on a label at the back of the siren (and also on the siren's package)

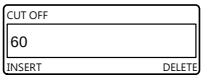


[12] Or type it: the ID is printed on a label on the button

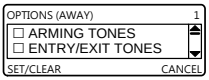
4. If required, select **Start Delay** and enter a delay in sec. before the siren will sound the alarm, between 0 (default) and 255



5. Select **Cut Off** and enter the time, between 5 and 255 sec. (default - 60)



6. Select **Option (Away)** and set options, that are available only while the alarm system is armed to AWAY mode:



   a. **Arming tones**: the siren will beep once when arming the system, and twice when disarming

   b. **Entry/Exit tones**: in addition to the control panel internal sounder, the siren will sound clock ticks during the exit and entry delays. See "External Siren Indications", on page 50 for details

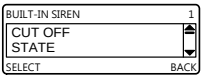
7. Select **State** and select if the siren is **Enabled** or **Disabled**

10.1.6 Built-in siren

The system has an 85 dB internal siren, sufficient for indoor alarm.

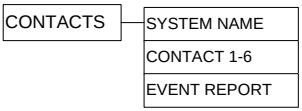
To define the built-in siren:

1. Access the Installer menu and select **Programming → Zones/ Peripherals → Built-In Siren**



2. Select **Cut Off** and enter the time, between 5 and 255 sec. (default - 60)
3. Select **State** and select if the siren is **Enabled** or **Disabled**

10.2 Contacts



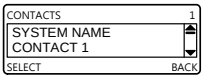
The system allows defining up to six contacts, for receiving event and fault notifications.

10.2.1 System name

The system name is used to personalize the alarm system in the messages the contacts receive.

To define the name:

1. Access the Installer menu and select **Programming → Contacts**
2. Select **System Name**. Leave the default name or type a new one (see section 2.2.1, on page 11 for instructions)

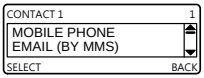


3. Press OK

10.2.2 Contact 1-6

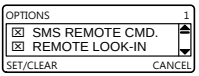
Define the various details of up to six contacts of the alarm system, as follows:

1. Access the Installer menu and select **programming → User Contacts → Contact X**



2. Select **Mobile Phone** and enter a mobile phone number

3. Select **Email (By MMS)** and enter an E-mail address. E-mails are sent via MMS (Multimedia Message Service) messages and cost money to the end user (by the service provider)
4. Select **Contact Name** and type a name (see section 2.2.1, on page 11 for instructions)
5. Select **Options** and set the contact's options, as described in the next table



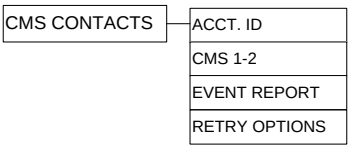
Option	The contact will be...
SMS Remote CMD.*	allowed to send arm, disarm and other commands by SMS. See section 12.2.1, on page 48
Remote Look-in*	allowed to receive look-in images
SMS Event Report*	receiving notifications on alarms and other events by SMS
MMS Visual	receiving visual verification images by MMS
Email Event	receiving notifications on alarms and other events by E-mail
Email Visual	receiving visual verification images by E-mail (sent via MMS)

** Must be enabled when using the Android app*

6. Select **Event Report** and set the event types that will be reported to any of the contacts. The options are as follows:
   - Alarm events: any alarm
   - Dis/Arm report: arming to any mode and disarming
   - Power report: power loss
   - Service report: actions such as entering the menu

See Appendix G, on page 57 for complete details on the reported events

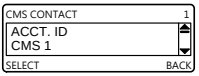
10.3 CMS contacts



Here you can set two CMS contacts and their options.

To set the CMS contacts, do the following:

1. Access the Installer menu and select **Programming → CMS Contacts**



2. Select **Acct. ID** and type the account ID of this alarm system
3. Select **CMS X** and set the following:

CMS 1-2	
	MOBILE
	EMAIL (BY MMS)
	IP
	PORT
	CMS PROTOCOL
	PERIODIC TEST
	GPRS ALWAYS ON
	BACKUP*

* CMS 2 only

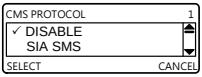
a. Select **Mobile** and enter the CMS's phone number for receiving notifications by SMS

b. Select **Email (by MMS)** and enter the CMS's E-mail address. Note that E-mails are sent via MMS (Multimedia Message Service) messages and cost money to the end user (charged by the cellular provider). See section 2.2.1, on page 11 for instructions

c. Select **IP** and enter the IP address of the IP Receiver in the CMS. You can also enter a URL address for DDNS services

d. Select **Port** and enter the port number of the IP receiver

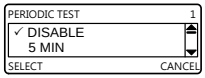
e. Select **CMS Protocol** and select the relevant option. The options are listed below



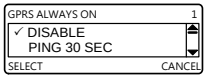
CMS PROTOCOL	
	DISABLE
	SIA SMS
	CID SMS
	EMAIL VISUAL/CID
	GPRS-CID
	GPRS-VISUAL/CID

Disable:	reporting to the CMS is disabled
SIA SMS:	events will be sent by SMS, in SIA
CID SMS:	events will be sent by SMS, in ContactID©
E-mail Visual/ CID:	visual and normal events will be sent by E-mail, in ContactID©
GPRS-CID:	events to the CMS will be sent as IP over GPRS, in ContactID©
GPRS-Visual/ CID:	visual and normal events will be sent to the CMS, as IP over GPRS, in ContactID©

f. Select **Periodic Test** and select every how long a test event will be sent to the CMS for supervision. The options are: Disable (tests), 5 min, 10 min, 60 min, 24 hrs, one week, one month

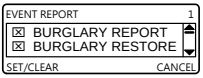


g. Select **GPRS Always ON** and select a ping interval in sec. The options are: 30, 45, 60 or 90. The alarm system will ping a web server to maintain an open session with the IP Receiver. See the "Glossary of terms", on page 54 for more details



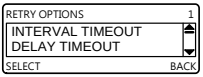
4. Press **BACK**

5. Select **Event Report** and set which events will the alarm system report the CMS. The options are: Burglary Alarms, Burglary Restore, Fire alarms, Fire Restore, Arming and Disarming, Service events, Service Restore, Power loss, Power Restore, Medical alarms, Medical Restore, and Visual alarms (verification images)

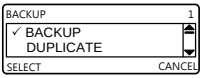


6. Select **Retry Options** and set the two available options. The alarm system will retry to send events:
   - **Interval Timeout**: set the overall interval of the re-tries in min., between 6-30
   - **Delay Timeout**: set the delay between re-tries in sec., between 15-60

     Example: if you set an interval of 10 min. and a delay of 15 sec., then for 10 min. the control panel will try to report the CMS, every 15 sec., which is 40 times (10x4)

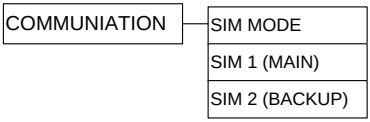


7. In **CMS 2** only, select **Backup** and set the two backup options, as follows:
   - **Backup**: CMS 2 will serve as backup to CMS 1 in case of a communication fault with CMS 1
   - **Duplicate**: all events will be reported both to CMS 1 and CMS 2 ("Double Report")



- *When CMS 2 is set as "Duplicate", "GPRS Always On" is automatically disabled*
- *Sending images may cause the IP Receiver to close the session*

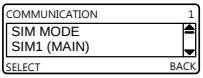
10.4 Communication



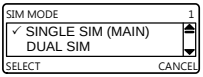
Set the mode of the SIM card(s) - single or dual[13] - and the cellular provider's details of each card. The alarm system comes with a list of your country's providers by default.

To set the SIM card(s):

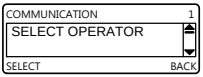
1. Access the Installer menu and select **Programming → Communication**



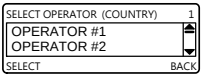
2. Select **SIM Mode** and select between the two following options:
   - **Single SIM (Main)**: one card will be used
   - **Dual SIM**: two cards will be used



3. Back in the **Communication** screen, select **SIM1 (main)** and press **Select Operator**

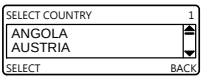


4. Using the up/down arrow keys , scroll to the provider that matches the SIM card in use by the alarm system, and press **Select**

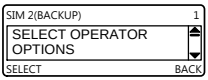


[13] See the "Glossary of terms", on page 49

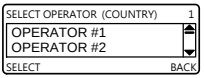
5. Press **BACK**. If you need to select a different country, scroll to it, press **Select**, then repeat on steps 3-4



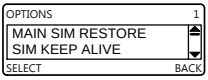
6. In dual SIM versions, select **SIM2 (Backup)**



7. Press **Select Operator** and repeat on steps 4-5



8. Select **Options** and select between the options, as follows:



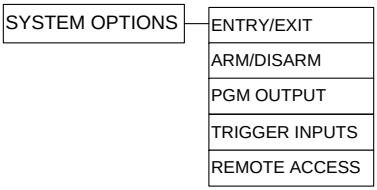
   a. **Main SIM Restore**: set how many hours after switching from SIM1 to SIM2 the control panel will try to switch back. The options are 1, 2 and 4 hours.

   b. **SIM Keep Alive**: cellular providers suspend the communication with SIM cards being idle for a long time. "Long time" varies between the different providers. To avoid this, the control panel will send a "Keep-alive" event in the interval set here. The options are once every 1-28 days

Some SIM cards may have two options:

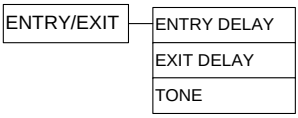
- *PP – indicates a Prepaid/Pay As You Go card*
- *CN – indicates a Contract card*

10.5 System options



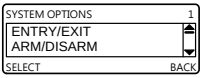
Set the system options.

10.5.1 Entry/Exit delay

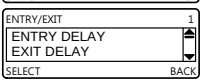


To set the entry and exit delays, do the following:

1. Access the Installer menu and select **Programming → System Options**



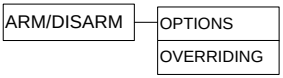
2. Select **Entry/Exit**
3. Select **Entry Delay** and type a value between 5 and 45 sec. (default - 30)



4. Press OK
5. Select **Exit Delay** and type a value between 5 and 255 sec. (default - 5)

6. Press OK
7. Select **Tone** and select between **High** or **Low**, for the delay countdown ticking sound

10.5.2 Arm/Disarm

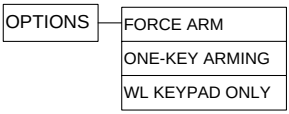


Define the various arming and disarming options. For a detailed explanation of each, see the "Glossary of terms", on page 54.

The alarm system cannot be armed in the following situations:

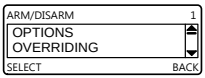
- The Fault LED is on
- A zone tamper is open
- An immediate zone is open
- "Force Arm" (see the "Glossary of terms", on page 54) is not enabled

10.5.2.1 Options

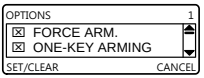


To set the arming and disarming options, do the following:

1. Access the Installer menu and select **Programming → System Options → Arm/Disarm**



2. Select **Option** and set the relevant options, listed in the next table



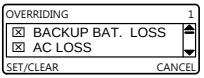
Option	Description
Force Arm	Allows arming with open zones. See "Arming modes", on the "Glossary of terms", on page 55
One-Key Arming	Allows arming by only pressing the control panel's arming buttons (without the need to enter a user code)
WL keypad only	• If only the wireless keypad will be used for arming and disarming, user passwords can be up to four digits, and have the numerals of 0-9 • To use both the wireless keypad and the control panel, passwords can be up to four digits, but have the numerals of 1-4 only

10.5.2.2 Overriding

Overriding allows arming the alarm system even if one of three faults is present: Backup Battery Loss, AC Loss and Zone Supervision Loss. These faults are being reported and logged anyway and must be resolved as soon as possible.

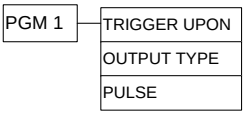
To set the overriding options, do the following:

1. Access the Installer menu and select **Programming → System Options → Arm/Disarm → Overriding**



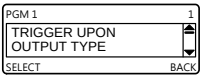
2. Set the relevant faults

10.5.3 PGM output

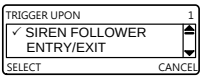


The alarm system allows one PGM connection. To set it, do the following:

1. Access the Installer menu and select **Programming → System Options → PGM Outputs → PGM 1**

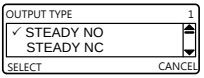


2. Select **Trigger Upon** and select what will trigger the output, as listed in the following table



Trigger	The PGM output is triggered when...
Siren Follower	The siren is activated
Entry/Exit	The Entry/Exit delay starts running
Not Ready/Alarm	A zone is open or alarming, a fault occurs
Arm Away, Home, or Part	The alarm system is armed
Power Fault	This fault occurs
Medical, Burglary, Fire	These alarms are set off
Remote SMS	SMS command is received

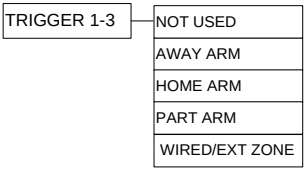
3. Select **PGM 1 → Output Type** and select the desired output type, as listed in the following table



Type	Mode
Steady N.O.	Normally Open
Steady N.C.	Normally Close
Pulse Low to High	-
Pulse High to Low	-

4. Select **PGM 1 → Pulse** and type the pulse duration, between 1 and 255 sec.

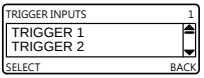
10.5.4 Trigger inputs



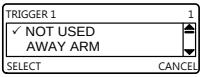
The alarm system allows three input connections, which can be utilized for arming the system by an external alarm system, and more. See section 3.4.1, on page 20 for more details.

To set the trigger inputs options, do the following:

1. Access the Installer menu and select **Programming → System Options → Trigger Inputs**

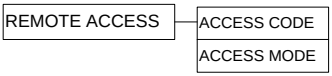


2. Select **Trigger X** and select the relevant trigger. The available options are described in the next table.



Trigger	The input is triggered upon/by…
Away Arm, Home Arm, Part Arm	Arming to one of these modes
Wired/Ext Zone	Signal via the hardwired zone (#24)[14]

10.5.5 Remote access



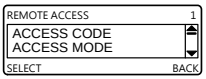
Set the parameters for remotely accessing the alarm system, using the "Programming Tool" PC application[7] (via GPRS). When accessing remotely there are several limitations:

a. If the control panel is armed you cannot bypass zones, change the global options, change contacts, and change the system configuration

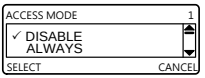
b. After disarming the control panel the remote session is disconnected, to allow reporting the event

To set the remote access parameters, do the following:

1. Access the Installer menu and select **Programming → System Options → Remote Access**

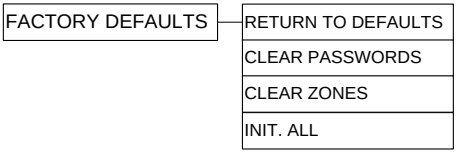


2. Select **Access Code** and type a new code to replace the default one (531902)
3. Select **Access Mode** and select when remote access is allowed.
   The available modes are listed in the next table. See section 8.1.1, on page 31 for more details



Access Mode	Description
Disable	Remote access is disabled
Always	Remote access is enabled, without the need for the Master user's approval (only if the default Access Code was changed. If the code is the default one, the Master user will have to approve any remote access)
During Disarm	Remote access is enabled, only when the system is disarmed
User Initiated (default)	Remote access is enabled, only after the Master allows a two hour window via the **Service → Enable Programming** menu

10.6 Factory defaults



Use this menu to reset the alarm system. The options on this menu are listed in the next table and the following sections.

Option	What is defaulted?	What is not defaulted?
Return to Defaults	All the parameters, except those on the right	Passwords, Remote Access Code, zones and peripherals' IDs

[14] Only Trigger #1 can be set as and connected to a Wired/External zone

Option	What is defaulted?	What is not defaulted?
Clear Passwords	All passwords, Remote Access Code	All other parameters
Clear Zones	All zones and peripherals' IDs	Zones and peripherals' parameters
Init All	Combines the three above options	-

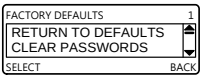
- *The log is not cleared in any of the above options*
- *Bypassed zones are not un-bypassed in any of the above options*

10.6.1 Return to defaults

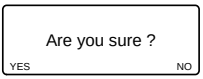
The default settings may vary between various countries and regions

To return to the factory defaults:

1. Access the Installer menu and select **Programming → Factory Defaults**



2. Select **Return to Defaults**. A confirmation message will appear asking you to confirm the action

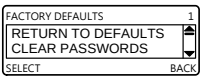


3. Press **YES** to confirm

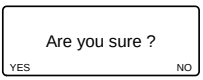
10.6.2 Clear Passwords

To clear (reset) all passwords:

1. Access the Installer menu and select **Programming → Factory Defaults**



2. Select **Clear Passwords**. A confirmation message will appear asking you to confirm the action



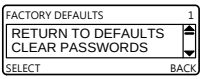
3. Press **YES** to confirm

10.6.3 Clear zones

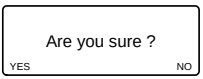
After performing this action, you will be required to re-enroll all zones and peripherals

To clear all the zones:

1. Access the Installer menu and select **Programming → Factory Defaults**



2. Select **Clear Zones**. A confirmation message will appear asking you to confirm the action



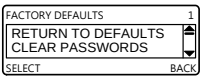
3. Press **YES** to confirm

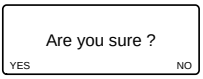
10.6.4 Initialize all

This action resets all system parameters and zones

To initialize the system:

1. Access the Installer menu and select **Programming → Factory Defaults**
2. Select **Init All**. A confirmation message will appear asking you to confirm the action
3. Press **YES** to confirm



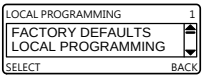


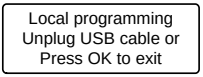
10.7 Local programming

The Local Programming mode is used for uploading and downloading data via the "Programming Tool" PC application[7]. See the Programming Tool guide (P/N 4410401) for complete details

To program the alarm system locally, do the following

1. Access the Installer menu and select **Programming → Local Programming**
2. Run the "Programming Tool" and follow the instructions
3. When you are finished, press OK





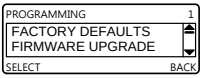
Make sure not to disconnect the USB or power cables during the session, as it may damage the integrity of the alarm system

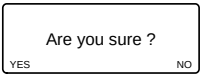
10.8 Firmware upgrade

Upgrading the Firmware requires the "Firmware Upgrade Tool". See the tool's guide (P/N 4410401) for more details

To perform a firmware upgrade:

1. Access the Installer menu and select **Programming → Firmware Upgrade**.
2. A confirmation message will appear asking you to confirm the action. Press **YES** to confirm
3. Run the Firmware Upgrade Tool and follow the instructions
4. When you finish, press OK





- ***When performing Firmware Upgrade, you must follow the correct procedure, otherwise you can risk system failure, which will make its warranty void***
- ***Disconnecting power or disconnecting the USB cable, at any stage during the upgrade process may result in system failure***

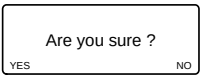
11 Stop Communication Menu

The Stop Communication option allows you to temporarily stop all communication, cancel all pending messages and clear all communication buffers. This option may be used on the following situations:

a. During the installation process
b. During testing of the system
c. In the event of a false alarm

To stop communication and clear the buffers, do the following:

1. Access the Installer and select **Stop Comm**.
2. Press **Yes** to confirm - all messages in queue will be cleared and will not be sent
3. Press OK



12 Operating the Alarm System Remotely

12.1 By smartphone app

The app allows the Master user to control the alarm system, by a simple-to-use application. See our website at http://www.pima-alarms.com/?categoryId=91059, or the system's User Guide for complete details.

12.2 By text messages

Some operations of the alarm system - arming and disarming, requesting system status, activating and deactivating the PGM output, stopping the siren and requesting look-in images - are SMS operated.

These operations are processed, only if sent from a contact's phone, and only if the contact is allowed to perform them (see section 10.2.2, on page 37).

Every SMS message contains the event and the device or user name. For example: "Alarm from Kitchen AlarmView".

The alarm system sends a confirmation message (or fault report) on every text command.

Note, that SMS commands are not case sensitive.

12.2.1 Commands

Following are the available SMS commands:

Action	Command
Arm AWAY	a
Arm HOME	h
Arm PARTI	p
Disarm	d
Open PGM output	1o (Open)
Close PGM output	1c (Close)
Stop siren	b
Request system status	s
Request command list	?
Request look-in image	25i-30i 99i - all zones

Appendix A System Peripherals

Peripheral	Description	P/N
SmartView	PIR/Camera (color)	8812001
OutView	Outdoor camera (color)	8813001
PCP	Panic Button/Pendant	5432004
PIR-S	Standard PIR Detector	5431001
PIR-P	Pet Immune PIR Detector	5431002
PIR-O	Outdoor PIR Detector	5431003
DCM	Door Contact/Magnet	5432001
SM	Smoke Detector	5431004
TD-5	Temperature Detector +5ºC	5436001
WLD	Water Leakage Detector	5436002
REP	Range Extender/Repeater	5435001
DCO	CO^2 Detector with EU approval	5431005
SIR-B	Outdoor Siren – Blue	5433001
SIR-R	Outdoor Siren – Red	5433002
SIR-O	Outdoor Siren - Orange	5433007
SIR-I	Indoor Siren	5433003
RWK	Remote Wireless Keypad (bi-directional)	5434001
KF-1	Hand-held 1-way Keyfob	5432002
KF-2	Hand-held 2-way Keyfob (bi-directional)	5432003

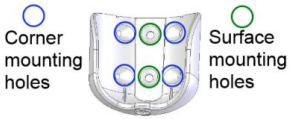
Appendix B The SmartView Detector/ Camera

B.1 How to mount the detector

Do the following steps to mount the detector:

1. Release the screw on the bottom of the bracket of the detector, and remove the bracket.

2. Drill holes for surface or corner mounting.
3. Insert the supplied wall plugs and fasten the bracket to the surface with the supplied screws.



4. Place the detector in the mounting bracket and fasten the screw.
5. If you need to adjust the direction of the detector, loosen the screw and rotate it.
6. Fasten the screw tightly.

B.2 How to replace the battery

When the SmartView batteries are exhausted, do the following to replace them:

Release the screw of the bracket and remove the detector.

1. Release the screw of the cover of the battery compartment, and remove the cover.
2. Replace the two batteries with new alkaline batteries. See a sticker on the battery holder for correct polarity.
3. When you insert the batteries, the LED will light up in blue for 2-4 sec. to indicate correct installation.
4. Close the cover and fasten the screw.

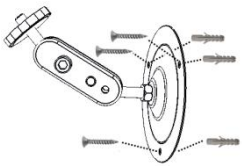
Appendix C The OutView Camera

C.1 How to mount the camera

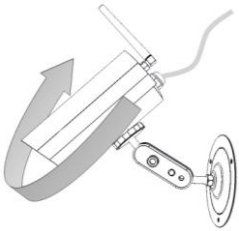
Before you mount the OutView camera, make sure it optimally covers the secured area.

Follow the next steps to mount the camera:

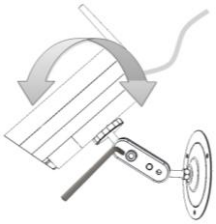
1. Use the template on page 11 and drill 3 matching holes on the mounting surface
2. Insert the supplied wall plugs and mount the bracket, using the supplied screws



3. Rotate the swiveling bracket's plastic knob clockwise, to its lower position
4. Connect the camera to the bracket, by rotating it clockwise
5. Tighten the plastic knob to secure the camera



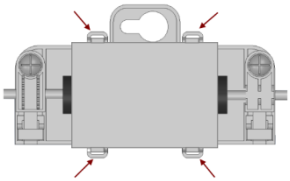
6. Connect the camera's cable to the terminal block and to power. See the next section for details
7. Adjust the field of view of the camera
8. Tighten the bracket's tilt screws with the supplied Allen wrench



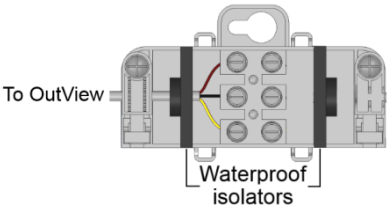
C.2 How to connect the camera

The OutView is supplied connected with a 3-wire cable to a junction box. The box has a terminal block inside it. To connect the OutView, do the following:

1. Open the junction box: push the clasps outside and remove the lid



2. Pull out the black waterproof isolator, on the side without the wires



3. Puncture a hole in the center of the isolator, for the wires of the AC adapter and the trigger source
4. Put the required wires through the isolator
5. Connect the AC adapter wires to the Red (+) and Black (-) wires, on the terminal block. See the next section for a diagram

The positive wire of the AC adapter is marked with stripes

6. Connect the wire from the trigger source to the Yellow wire of the OutView, on the terminal block. See the next diagram

Two-state triggers, like door contacts and beam detectors, cannot be used

7. Release the screw on the junction box, on the side of the adapter and the trigger wires, and remove the plastic clip
8. Put the isolator, now with the wires inserted into it, back in its place
9. Replace the clip on the wires and fasten the screw
10. Close the lid and make sure it is fastened by all four clasps
11. Place the junction box in a weatherproof placement
12. Plug the AC adapter to an indoor outlet

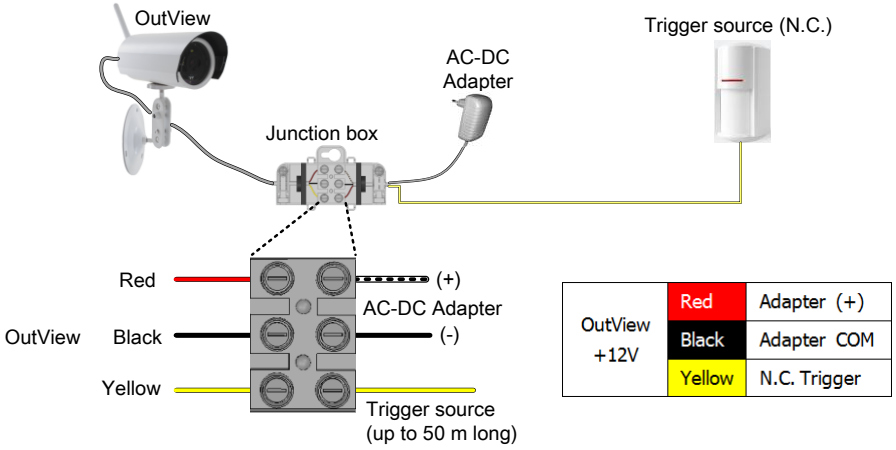


Figure 15. OutView connection diagram

- ***If the AC-DC adapter is also used to power the triggering detector, make sure it does not exceed its power output***
- ***The OutView does not report a restore event***

Appendix D External Siren Indications

The SIR-B/R/O Wireless External Siren can indicate on various system activities.

If this is the first time the siren is set, before setting the available options, initialize the siren by selecting **Service -> Tests -> External Siren -> Test**.

The following table describes the activities and their indications:

Action	Beeps	Strobe light/Trigger Inputs
Alarms: Burglary, 24H, Panic, Fire	Siren	Flashes
Arming AWAY	1	3 flashes
Arming HOME/PART	2	2 flashes
Arming with low battery	5	3 flashes, 3 cycles
Arming with tamper condition	5	3 flashes, 3 cycles
Disarming	2	Sequential flashes, 1 cycle
Disarming with low battery	2	Sequential flashes, 2 cycles
Disarming with tamper condition[15]	2	3 sec. alarm, sequential flashes

[15] Siren tone confirmation must be enabled in the control panel

Appendix E Maintenance & Troubleshooting

E.1 Cleaning the LCD screen

The LCD screen may occasionally get finger oil stains and accumulate dust. It should be cleaned only with a soft dry cloth or a special LCD screen cleanser. Avoid the use of abrasives of any kind.

Do not use solvents such as kerosene, acetone or thinner. These will harm the external finish and damage the transparency of the window.

E.2 Replacing the Control Panel's battery

Remove the transformer from the AC outlet or disconnect the power before replacing the backup battery.

For best performance and care, use suitable replacement batteries from Pima Electronic Systems.

For instructions on how to replace the backup battery, see the "Quick installation" section, on page 14

E.3 SIM card icons and LED behavior

	OK/ Active	Not detected/ At fault	Two SIMs at fault
SIM-1 (Main)			
SIM-2 (Backup)			
LED	-		

Appendix F Glossary of terms

Alarm types –

- **Burglary** – alarm caused by violation of intrusion zone
- **Fire** – alarm caused by violation of fire zone
- **Tamper** – alarm caused by opening tamper protection switch
- **Panic/Medical/Emergency** – alarm caused by activation of a panic/medical button

Alarm Restore – closing the alarm event and restoring the system to its previous state

- **Arming modes** and options–
- **Away** – full arming of the system
- **Home** – arming of perimeter detectors, as defined by the installer
- **Partial** – arming of part of the premises, while leaving the other part unsecured
- **One-Key Arming** – arming of the system pressing a single key, without any code
- **Force Arm** – arming the system even if it is not ready, under the condition that all open zones will be closed by the end of the Exit delay. If the zone/s is open when the exit delay expires, an alarm is generated
- **Bypassing Zones** – temporarily ignoring signals from a zone, to allow accessing to part of the protected area while the system is armed. Zone bypassing can also be used when a zone is at fault, but only until the fault is repaired. Bypassed zones are automatically un-bypassed (that is returning to normal mode) when disarming the alarm system
- **Chime** – bell sound, typically assigned to entry points or back doors, to warn when a zone is opened while the system is disarmed
- **CMS Contact** – Central Monitoring Station contact
- **Contact** – person that receive notifications on system events and faults, and can perform some actions remotely, by text messages
- **Control panel** – is where the user can activate/deactivate the alarm system as well as change the various system configurations. This is the heart and brains of the system which also includes the system's communication module
- **Detectors/Devices/Peripherals** –
- **Device ID** – unique identifier of detectors and peripherals
- **Types**:
    - **PIR (Passive Infrared) Detector** – heat emission detector of humans and animals
    - **Door Contact** – magnetically operated detector, usually used on doors and windows
    - **Keyfob** – small remote control for arming and disarming the system
    - **Smoke Detector** – sensing device which detects smoke particles of combustion
    - **Panic button** – button that triggers emergency alarm
- **Disarmed** – Normal, standby mode. All zones, except 24 hour zones (Panic, Fire, Tamper, etc.) are not active

- **Dual SIM mode**[16] – The control panel checks the SIM card slots on power-up only, and sets the mode between Single of Dual. When two SIMs are detected, the SIM in the upper slot is defined as Main (SIM1), and the one in the lower as Backup (SIM2)
- **Entry/Exit Delay** – predetermined time to allow entering and exiting the premises without triggering the alarm
- **Event Group** – a group of events defined by type, for notifying the contacts
- **SIM Swap**[16] – The control panel automatically swaps from SIM1 to SIM2 (and vise versa), when one of the following occurs: low GSM reception, GSM/GPRS loss, Jamming, and CMS communication fault (including retries).
  The control panel will keep trying to send events via SIM 1 and when it does, it will swap from SIM2 back to SIM1. The control panel report on why the swap was performed. See section E.3, on page 54, for more information
- **Swinger Shutdown** – this feature prevents a zone to repeatedly trigger the alarm, if it is opened and closed (this is a "swinger") again and again (or left open). With this feature ON, the zone will only trigger the alarm as many times as is designated - once, twice or three times.
- **System Ready** – all zones that are part of the defined arming mode are closed, and the system can be armed
- **Users** –
- **Regular** – can arm and disarm the system and view its status
- **Master** – can change settings relating to the system behavior, change all passwords except the Installer's and do everything regular user can
- **Zone** – protected area connected with detector
- **Zone Types** –
- **Normal (Immediate)** – intrusion protected zone. Immediately activates the alarm if violated while the system is armed
- **Entry/Exit** – intrusion protected zone. Activates the alarm if violated while the system is armed, only after the entry/exit delay expires, to allow entering/exiting the protected area
- **Follower (Inhibited/Intermediate)** – intrusion protected zone that "follows" the entry/exit zones: if violated while any entry/exit zone has already been opened, it will not trigger the alarm. Typically used in zones adjoining the entry/exit route
- **24 Hr** – intrusion protected zone, that will immediately trigger the alarm if opened, regardless of the system state (armed or disarmed)
- **Panic (Personal Attack) and Medical** – button operated zone, used in panic/distress or medical situations. Pressing the button will immediately trigger the alarm, regardless of the system state (armed or disarmed). Panic buttons and zones trigger silent alarm
- **Fire** – smoke and heat detectors, that will immediately trigger the alarm in fire/heat conditions, regardless of the system state (armed or disarmed)

[16] For dual SIM versions only

Appendix G Event Reporting

The contacts of the alarm system can be reported on various system events. The events are divided into four groups: alarms, arming and disarming, power loss and service events. See the table below for the full list of the events and their ContactID codes.

Event	Text
Alarms	
Zone alarm	Alarm from Zone + *zone no. (zone name)*
Zone alarm restore	Zone Alarm Restore + *zone no. (zone name)*
Fire alarm	Fire Alarm + *zone no. (zone name)*
Fire alarm restore	Fire Alarm Restore + *zone no. (zone name)*
Gas alarm	Gas Alarm + *zone no. (zone name)*
Gas alarm restore	Gas Alarm Restore + *zone no. (zone name)*
Panic alarm	Panic Alert + *button name*
Panic alarm restore	Panic Alert Restore + *button name*
Tamper alarm	Tamper + *zone no. (zone name)* or *System (system name)*
Tamper alarm restore	Tamper Restore + *zone no. (zone name)* or *System (system name)*
Disarm with Duress code	Duress + *System (system name)*
Zone bypassed	Zone Bypassed + *zone no. (zone name)*
Zone un-bypassed	Zone Unbypassed + *zone no. (zone name)*
Bell cancel	Bell cancel + *user*[17]
Arm and disarm	
Arm to Away mode	Full Arm (Away) + *User no. (user name)/Peripheral no. (peripheral name)*
Arm to Home mode	Perimeter Arm (Home) + *User no. (user name)/ Peripheral no. (peripheral name)*
Arm to Part mode	Part Arm + *User no. (user name)/ peripheral no. (peripheral name)*
Disarm	Disarm +*User no. (user name)*
Disarm after alarm[18]	Disarm After Alarm +*User no. (user name)*
Disarm failed	Disarm Failed +*User no. (user name)*
Full/Perimeter/Part arm failed	Full/Perimeter/Part Arm Failed + *User no. (user name)/peripheral no. (peripheral name)*
Service	
AC loss	AC Loss + *System (system name)*
AC restore	AC Restore + *System (system name)*
Backup network error	Backup Network Error + *System (system name)*
Backup network restore	Backup network rest *System (system name)*
Backup SIM failure	Backup SIM failure + *System (system name)*
Backup SIM restored	Backup SIM Restored + *cause of switching event*
Communication loss	Communication Loss + *Source*
Communication restore	Comm. Restore + *Source*
Date was set	Set Date + MASTER CODE/INSTALLER
End remote programming	End Remote Prog + *System (system name)*

[17] Only to CMS contacts and only to the contact who cancelled the bell
[18] This action is not logged

End system programming	End System Prog + *System (system name)*
Main SIM failure	Main SIM failure + *System (system name)*
Main SIM restored	Main SIM Restored + *cause of switching* The cause may be one of the following: • SIM not inserted • Pin code needed • Low reception • GSM loss • GPRS loss • Jamming • Session open failure • CMS1 Tx failure • CMS2 Tx failure • Keepalive failure
Periodic test	Periodic Test
Peripheral battery low	Accessory Battery + Zone
Peripheral battery restore	Accessory Batt. Rest + Zone
PGM close	PGM Close
PGM open	PGM Open
Remote look-in failed	Remote Look-In Failed
Remote look-in request	Remote Look-In Request
Remote programming	Remote Programming + *System (system name)*
RF interference	RF Interference
RF interference restore	RF Interference Rest
SIM Switched to Backup	SIM Switched to Back + *cause of event*
SIM switched to main	SIM Switched To Main + *cause of switching event*
Status report	Status Report
Supervision loss	Supervision Loss + *zone no. (zone name)*
Supervision restore	Supervision Restore + *zone no. (zone name)*
System battery loss	System Battery Loss + *System (system name)*
System battery low	System Battery + *System (system name)*
System battery low restore	System Battery Rest + *System (system name)*
System peripheral restore	Syst Periph Restore+ Zone
System peripheral trouble	Syst Periph Trouble + Zone
System programming	System Programming + *System (system name)*
Time was set	Set Time + MASTER CODE/INSTALLER
User code changed	User Code Changed +*User no. (user name)*
User code deleted[18]	User Code Deleted +*User no. (user name)*
Zone trouble	Zone Trouble + *zone no. (zone name)*
Zone trouble restore	Zone Trouble Restore + *zone no. (zone name)*

Appendix H SIA and ContactID Codes

H.1 Event codes

H.1.1 ContactID

101	Emergency
110	Fire
120	Panic
121	Duress
122	Silent
123	Audible
130	Burglary
131	Perimeter
132	Interior
134	Entry/Exit
137	Tamper/CP
301	AC loss
302	Low system battery
321	Bell
344	RF receiver jam detect
350	Communication trouble
351	Telco fault
381	Loss of supervision RF
383	Sensor tamper
384	RF low battery
401	O/C by user
406	Cancel
408	Quick arm
441	Armed home
456	Partial arm
459	Recent close
570	Bypass
602	Periodic test report
607	Walk test mode
641	Senior watch trouble

H.1.2 SIA

AR	AC Restore
AT	AC Trouble
BA	Burglary Alarm
BB	Burglary Bypass
BC	Burglary Cancel
BR	Burglary Restore
BT	Burglary Trouble / Jamming
BZ	Missing Supervision
CF	Forced Closing
CL	Closing Report
CR	Recent Close
FA	Fire Alarm
FR	Fire Restore
HA	Holdup Alarm (duress)
LR	Phone Line Restore
LT	Phone Line Trouble
OP	Opening Report
PA	Panic Alarm
QA	Emergency Alarm
RP	Automatic Test
RX	Manual Test
RY	Exit from Manual Test
TA	Tamper Alarm
TR	Tamper Restore
XR	Sensor Battery Restore
XT	Sensor Battery Trouble
YR	System Battery Restore
YT	System Battery Trouble
YX	Service Required

H.2 Device number

Control Panel	00
Wireless Zones	01-24
Wireless Video Zones	25-30
Hardwires Zones	51-53
Remote Control Keyfobs/Panic	31-50
Wireless Keypads	61-63
Built-in Keyboard	00
External Wireless Siren	70
GSM/GPRS Modem	80
Local USB Access	*71*

H.3 User number

Regular User	*01-25*
Master User	*26*
Duress code	*27*
24H code	*28*
Installer code	*29*

Appendix I SMS confirmation messages

Every time an SMS command/info message from a confirmed telephone number is received in the control panel, it is replied with a confirmation (or error) message.
The next table lists the various messages.

Command/info	Confirmation message	Error message
Arming	Armed AWAY/HOME/PARTIAL by User Name	Armed AWAY/HOME/PARTIAL failed
Disarming	Disarmed by User Name	Disarm failed
xx25-30 (look-in image)	Picture from Zone No.	Operation failed
Stop bell	Bell canceled by User Name	-
Status	• Away/Home/Part/Disarm state • PGM #1 Opened/Closed	-
? (command list)	• Away: A,a • Home: H,h • Part: P,p • Disarm: D,d • Image: xxI, xxi zone 25-30, all- 99 • PGM Open: 1O,1o • PGM Close: 1C,1c • Stop Bell: B,b • Status: S,s • Help: ?	-

Appendix J Limited Warranty

PIMA Electronic Systems Ltd. ("the Manufacturer") warrants its products hereinafter referred to as "the Product" or "Products" to be in conformance with its own plans and specifications and to be free of defects in materials and workmanships under normal use and service for a period of twelve (12) months from the date of shipment by the Manufacturer. The Manufacturer's obligations shall be limited within the warranty period and its option, to repair or replace the product or any part thereof. The Manufacturer shall not be responsible for dismantling and/or reinstallation charges. To exercise the warranty, the product must be returned to the Manufacturer freight prepared and insured.
The warranty does not apply in the following cases: improper installation, misuse, failure to follow installation and operating instructions, alteration, abuse, accident or tampering, and repair by anyone other than the Manufacturer.

The warranty is exclusive and expressly in lieu of all other warranties, obligations or liabilities, whether written, oral, express or implied, including any warranty of merchantability or fitness for a particular purpose, or otherwise. In no case shall the Manufacturer be liable to anyone for any consequential or incidental damages for breach of this warranty or any other warranties whatsoever, as aforesaid.

This warranty shall not be modified, varied or extended, and the Manufacturer does not authorize any person to act on its behalf in the modification, variation or extension of this warranty. This warranty shall apply to the Product only. All products, accessories or attachments of others used in conjunction with the Product, including batteries, shall be covered solely by their own warranty, if any. The Manufacturer shall not be liable for any damage or loss whatsoever, whether directly, indirectly, incidentally, consequentially or otherwise, caused by the malfunction of the Product due to products, accessories, or attachments of others, including batteries, used in conjunction with the Products. The Manufacturer does not represent that its Product may not be compromised and/or circumvented, or that the Product will prevent any death, personal and/or bodily injury and/or damage to property resulting from burglary, robbery, fire or otherwise, or that the Product will in all cases provide adequate warning or protection. User understands that a properly installed and maintained alarm may only reduce the risk of events such as burglary, robbery, and fire without warning, but it is not insurance of a guarantee that such will not occur or there will be no death, personal damage and/or damage to property as a result.

The Manufacturer shall have no liability for any death, personal and/or bodily injury and/or damage to property or other loss whether direct, indirect, incidental, consequential or otherwise, based on a claim that the Product failed to function. However, if the Manufacturer is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause of origin, the Manufacturer's maximum liability shall not in any case exceed the purchase price of the Product, which shall be fixed as liquidated damages and not as penalty, and shall be the complete and exclusive remedy against the Manufacturer.

Warning: The user should follow the installation and operation instructions and among other things test the product and the whole system at least once a week. For various reasons, including, but not limited to, changes in environmental conditions, electric or electronic disruptions and tampering, the Product may not perform as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his/her property.

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Appendix K Declaration of Conformity

FOR BETTER PROTECTION

EC Declaration of Conformity

We, the undersigned,

PIMA Electronic Systems Ltd.
Address: 5 Hatzoref Street, Holon 5885633, Israel
Phone: +972.3.6506414
Fax: +972.3.5500442
Website: www.pima-alarms.com

Certify and declare under our sole responsibility that the following equipment:

Brand	Model No/Cat. No	Product description
Burglar Alarm	AlarmView	Visual Verification Alarm Panel
	Guardian	Wireless Intruder Alarm Panel
	AVR	Add-on Visual Verification Module

Was tested to and conforms with the requirements included in following standards:

Standard	Directive
EN 60950-1:2001, A11, corrigendum 2004	Low voltage Directive 2006/95/EC
EN 301 489-1 Ver 1.4.1: 2002-08 EN 301 489-3 V1.4.1 (2002-08) EN 301 489-17 Ver 1.2.1: 2002-08 EN 50130-4:1995 , Amendment A1: 1998	EMC Directive 2004/108/EC
EN 300 328 Ver 1.4.1 (2003) EN 300 220-1 / V1.3.1 (2000-09) EN 300 220-3 / V1.3.1 (2000-09) EN 301 511-3 / V9.0.2 (2003-03)	Directive 1999/5/EC – RTTE

And therefore complies with the requirements and provisions of the Council Directives of the European Parliament.

CE marking date 19/02/2007

Certification Manager: VP & CTO

Name: Haim Dembsky

Date: Holon, ISRAEL, Jul 29th, 2013

Signature:

PIMA ELECTRONIC SYSTEMS LTD. * 5 HAZOREF ST. HOLON 58856 ISRAEL *

CE

Hereby,

Company: PIMA Electronic Systems Ltd.

Address: 5 Hatzoref Street, Holon 5885633

Country: Israel

Telephone number: +972.3.6506414

Fax number: +972.3.5500442

PIMA Electronic Systems Ltd. declares that the AlarmView system is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Federal Communications Commission (FCC) Part 15 Statement

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information.

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

If using an indoor antenna, have a quality outdoor antenna installed.

Reorient the receiving antenna until interference is reduced or eliminated.

Move the receiver away from the control/communicator.

Plug the control/communicator into a different outlet so that it and the receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions.

The user or installer may find the following booklet prepared by the Federal Communications Commission helpful: "Interference Handbook." This booklet is available from the U.S. Government Printing Office, Washington, DC 20402.

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Guide. Unauthorized changes or modifications could void the user's authority to operate the equipment.

RoHS compliance - All our products are lead-free

PIMA Electronic Systems is ISO 9001 certified

All data contained herein is subject to change without prior notice.
PIMA Electronic Systems Ltd.
* Patent Pending Technology

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